

IN THE SPECIFICATION:

✓ Please amend the title of the invention to read as follows. A marked-up version of the amended specification, showing the changes made thereto, is also attached.

--IMAGE PICKUP APPARATUS HAVING A WAVE SYNTHESIZER  
FOR INCIDENT AND REFERENCE LIGHT--.

Please amend the specification to read as follows.

Page 4, second paragraph, under the heading "Detailed Description of the Preferred Embodiments":

AI --Referring to Fig. 1, an integrated image pickup element 1 is comprised of a CMOS unit 2 in which CMOS-based two-dimensional photosensors and circuits such as an amplifier (to be described later) are integrated, a local emitting unit 3 constituted by a semiconductor laser (to be abbreviated as LD hereinafter) and wave synthesizer, and a two-dimensional microlens array 4.--

IN THE CLAIMS:

Please amend Claims 1 and 12 to read as follows. For convenience, a copy of all the pending claims are presented below, and a marked-up version of the amended claims, showing the changes made thereto, is appended hereto.